

Title (en)

A spark plug voltage detecting probe device for use in internal combustion engine

Title (de)

Testeinrichtung zur Detektion einer Zündkerzenspannung für eine innere Brennkraftmaschine

Title (fr)

Dispositif de test pour détecter la tension d'une bougie d'allumage pour un moteur à combustion interne

Publication

**EP 0570189 B1 19961016 (EN)**

Application

**EP 93303619 A 19930511**

Priority

- JP 11862092 A 19920512
- JP 26124692 A 19920930

Abstract (en)

[origin: EP0570189A2] In a sparkplug voltage detecting probe device for use in internal combustion engine comprising, a sensor is provided to form a static capacity between the sensor and an ignition coil which is connected to a spark plug. A sparkplug voltage divider circuit has a capacitor connected between the sensor and the ground. A release circuit has a resistor connected in parallel with the capacitor so as to provide a time constant of a RC path. A short circuit is provided to instantaneously release an electrical charge from the capacitor either immediately before establishing a spark voltage for the spark plug or immediately after initiating the spark action of the spark plug. A sparkplug voltage waveform detecting circuit detects a sparkplug voltage waveform divided by the sparkplug voltage divider circuit. <IMAGE>

IPC 1-7

**F02P 17/00**; **G01R 31/00**

IPC 8 full level

**F02P 17/12** (2006.01); **G01R 31/00** (2006.01); **F02P 17/00** (2006.01)

CPC (source: EP US)

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Cited by

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**EP 0570189 A2 19931118**; **EP 0570189 A3 19941207**; **EP 0570189 B1 19961016**; DE 69305415 D1 19961121; DE 69305415 T2 19970220; JP 2523255 B2 19960807; JP H0626437 A 19940201; US 5355056 A 19941011

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